

# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission **7**

Application Number	<b>10/828,713</b>
Filing Date	<b>April 21, 2004</b>
First Named Inventor	<b>Tetsuo TERASHIMA, et al.</b>
Art Unit	<b>3742</b>
Examiner Name	<b>Thor S. Campbell</b>
Attorney Docket No.	<b>MTS-3517US</b>

## ENCLOSURES (Check all that apply)

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached<br><br><input type="checkbox"/> Amendment/Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/Declaration(s)<br><br><input type="checkbox"/> Extension of Time Request<br><br><input type="checkbox"/> Express Abandonment Request<br><br><input type="checkbox"/> Information Disclosure Statement<br><br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><br><input type="checkbox"/> Response to Missing Parts/<br>Incomplete Application<br><input type="checkbox"/> Response to Missing Parts<br>under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)<br><br><input type="checkbox"/> Licensing-related Papers<br><br><input checked="" type="checkbox"/> Petition<br><br><input type="checkbox"/> Petition to Convert to a<br>Provisional Application<br><br><input type="checkbox"/> Power of Attorney, Revocation,<br>Change of Correspondence<br>Address<br><br><input type="checkbox"/> Terminal Disclaimer<br><br><input type="checkbox"/> Request for Refund<br><br><input type="checkbox"/> CD, Number of CD(s) _____<br><input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication<br>to TC<br><br><input type="checkbox"/> Appeal Communication to Board<br>of Appeals and Interferences<br><br><input type="checkbox"/> Appeal Communication to TC<br>(Appeal Notice, Brief, Reply<br>Brief)<br><br><input type="checkbox"/> Proprietary Information<br><br><input type="checkbox"/> Status Letter<br><br><input checked="" type="checkbox"/> Other Enclosure(s) (please<br>identify below):<br>> <b>Return postcard</b><br>> <b>Copies of:</b><br>• <b>IDS and 1449 as<br/>previously filed<br/>May 18, 2004</b><br>• <b>Returned postcard</b> |
|--|---|---|

Remarks:

## SIGNATURE OF APPLICANT, ATTORNEY OR AGENT

Firm Name	<b>RatnerPrestia</b>		
Signature	<i>Daniel N. Calder</i>		
Printed Name	<b>Daniel N. Calder</b>		
Date	<b>June 24, 2005</b>	Registration No.	<b>27,424</b>

## CERTIFICATE OF TRANSMISSION / MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature	<i>Fran Petrillo</i>		
Typed or Printed Name	<b>Fran Petrillo</b>	Date	<b>June 24, 2005</b>

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Office, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, ALEXANDRIA, VA 22313-1450.

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B/IFw

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No.: 10/828,713  
Applicants: Tetsuo TERASHIMA, et al.  
Filed: April 21, 2004  
Title: HEAT ACCUMULATING METHOD AND DEVICE (AS AMENDED)  
TC/A.U.: 3742  
Examiner: Thor S. Campbell  
Confirmation No.: 5454  
Docket No.: MTS-3517US

**PETITION UNDER 37 C.F.R. §1.181 FOR  
CONSIDERATION OF INFORMATION DISCLOSURE STATEMENT**

**Mail Stop Issue Fee**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicants filed a Further To Information Disclosure Statement (IDS) on May 18, 2004. A copy of the IDS, as filed and a copy of the return postcard evidencing receipt of the IDS by the PTO is enclosed. This IDS, although properly and timely filed, has not been considered.

The Examiner is respectfully requested to consider the references enclosed in the originally filed IDS of May 18, 2004, and return the initialed Form 1449 to the undersigned.

It is respectfully requested that issuance of the above-identified application be suspended until the IDS has been considered.

Respectfully submitted,



Daniel N. Calder, Reg. No. 27,424  
Attorney for Applicants

DNC/fp

Enclosures: returned postcard  
Information Disclosure Statement and PTO-1449 as previously filed

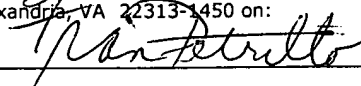
Dated: June 24, 2005

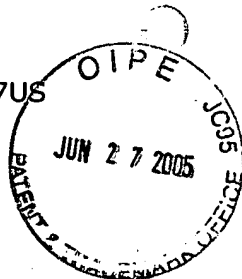
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(610) 407-0700

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June 24, 2005





COPY

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appln. No: 10/828,713  
Applicant: Tetsuo TERASHIMA et al.  
Filed: April 21, 2004  
Title: THERMAL STORAGE APPARATUS AND THERMAL STORAGE METHOD  
TC/A.U.: To Be Assigned  
Examiner: To Be Assigned  
Docket: MTS-3517US

**FURTHER TO**  
**INFORMATION DISCLOSURE STATEMENT**  
**FILED APRIL 21, 2004**

***Mail Stop Amendment***

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This is further disclosure with respect to the Information Disclosure Statement filed April 21, 2004.

In the Information Disclosure Statement filed April 21, 2004, Applicants' attorney enclosed References JP 61-128071 and Chemical Industrial Council "Thermal Storage Technology - Theory and Application thereof I," Sinzansha Sci-tech, October 10, 1996, and Chemical Industry Council "Thermal Storage Technology - Theory and Application thereof II," Sinzansha Sci-tech,

August 30, 2001. Enclosed is a partial English language translation for each of these references.

This Information Disclosure Statement is being filed within three months of the filing date of the above-referenced application or before mailing of the first Official Action. No first Official Action has yet been received and it is presumed that none has yet been mailed. No fee or statement is required. 37 C.F.R. § 1.97(b).

Respectfully submitted,

  
Allan Ratner, Reg. No. 19,717  
Attorney for Applicants

AR/fp

Enclosures: PTO Form 1449  
Partial English Translations (3)  
Transmittal form

Dated: May 18, 2004

P.O. Box 980  
Valley Forge, PA 19482-0980  
(610) 407-0700

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May 18, 2004 

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Substitute for Form 1449-A/B/C/D

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**(Use as many sheets as necessary)**

**SHEET 1 of 2**

**Complete if Known**

Application Number	<b>10/828,713</b>
Filing Date	<b>April 21, 2004</b>
First Named Inventor	<b>Tetsuo TERASHIMA, et al.</b>
Art Unit	<b>To Be Assigned</b>
Examiner Name	<b>To Be Assigned</b>
Attorney Docket No.	<b>MTS-3517US</b>

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

<sup>1</sup>Applicant's unique citation designation number (optional).

<sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

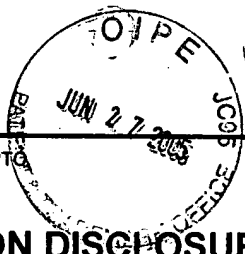
<sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

<sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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(AW 08/03)

Substitute for Form 1449B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/828,713
Filing Date	April 21, 2004
First Named Inventor	Tetsuo TERASHIMA, et al.
Art Unit	To Be Assigned
Examiner Name	To Be Assigned
Attorney Docket No.	MTS-3517US

SHEET 2 of 2

**NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		Chemical Industry Council, THERMAL STORAGE TECHNOLOGY - THEORY AND APPLICATION THEREOF I, Sinzansha Sci-tech, October 10, 1996 (partial English translation).	<input type="checkbox"/>
		Chemical Industry Council, THERMAL STORAGE TECHNOLOGY - THEORY AND APPLICATION THEREOF II, Sinzansha Sci-tech, August 30, 2001 (partial English translation).	<input type="checkbox"/>
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Examiner Signature		Date Considered	
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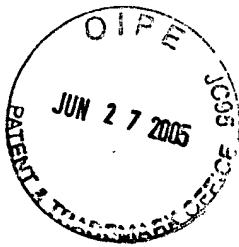
\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

<sup>1</sup>Applicant's unique citation designation number (optional).

<sup>2</sup>Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.  
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Commissioner for Patents:

Date: May 18, 2004

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FILE NO. MAT & MTS-3517 US FEE DUE? NO or \$ 0

NAME: T. Terashima et al.

- ☒ IDS and PTO Form 1449 (4 pp.) (SUPPLEMENTAL: YES or NO) Further
- ☐ Amendment (     pp.) (PRELIMINARY: YES or NO)
- ☒ Copy of      reference(s)
- ☐ Verification of a Translation
- ☐ Claim To Right of Priority
- ☐ Response to Missing Parts
- ☐ Form 1390
- ☐ Declaration/POA (     pp.)
- ☐ Assignment & Form 1595 (3 pp.)
- ☐      Sheets of Drawings (Formal)
- ☐ Certificate of Correction and 1050
- ☐ Response to Restriction Requirement
- ☐ Copy of Search Report
- ☐ Petition for Ext. of Time (     mo.)
- ☐      Priority Document(s)
- ☐ Copy of Formalities Letter (    )
- ☐ Certificate of Express Mailing
- ☐ Fee Transmittal
- ☐ Issue Fee and Publication Fee
- ☐ Submission of Formal Drawings
- ☐      Check(s)
- ☐ RCE Transmittal
- ☐ Transmittal Form

☒ partial English Translations (3)

USSN: 10/828,713

